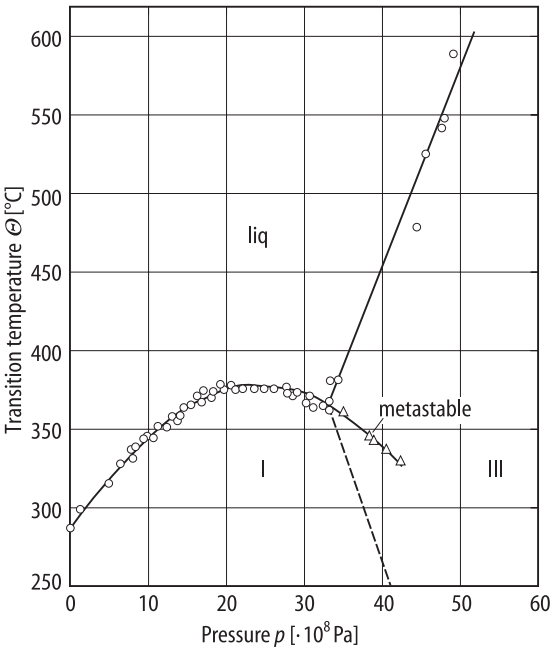

Fig. 33A-7-001. KH_2AsO_4 (KDA). Θ vs. p [69Cla]. Phase diagram.

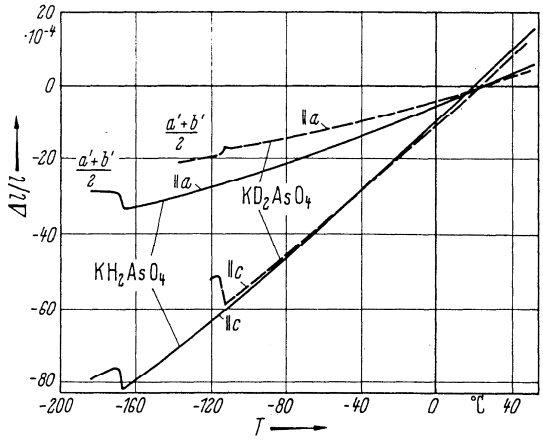

Fig. 33A-7-002. KH_2AsO_4 (KDA), KD_2AsO_4 (DKDA). Thermal expansion $\Delta l/l$ vs. T [67Coo]. $(a' + b')/2$ shows the mean of the values along a and b axes in phase II.

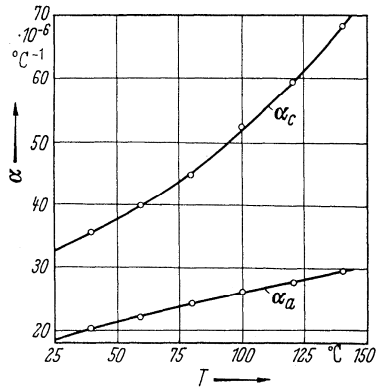

Fig. 33A-7-003. KH_2AsO_4 (KDA). α_a, α_c vs. T [65Des]. α_a, α_c: linear thermal expansion coefficients along the a, c axes.

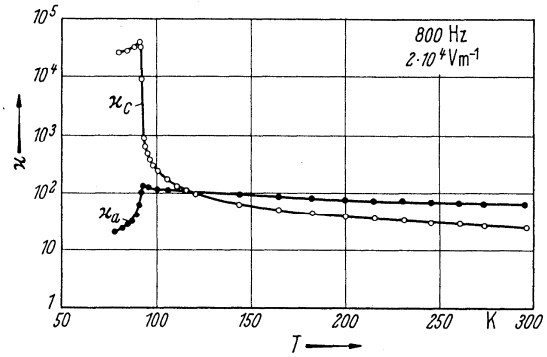

Fig. 33A-7-004. KH_2AsO_4 (KDA). κ_a, κ_c vs. T [38Bus].

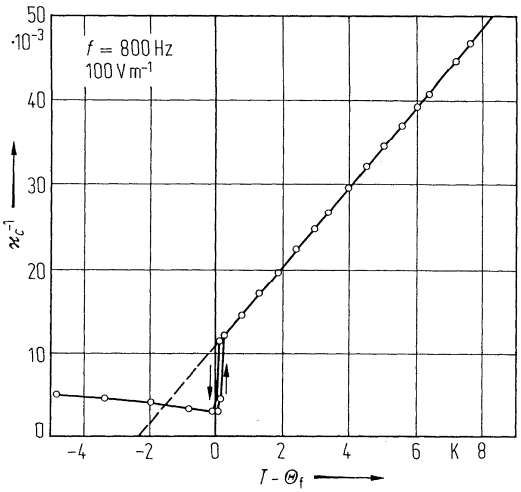

Fig. 33A-7-005. KH_2AsO_4 (KDA). κ_c^{-1} vs. $T - \Theta_f$ [73Gla]. $\Theta_f = 95.8$ K.

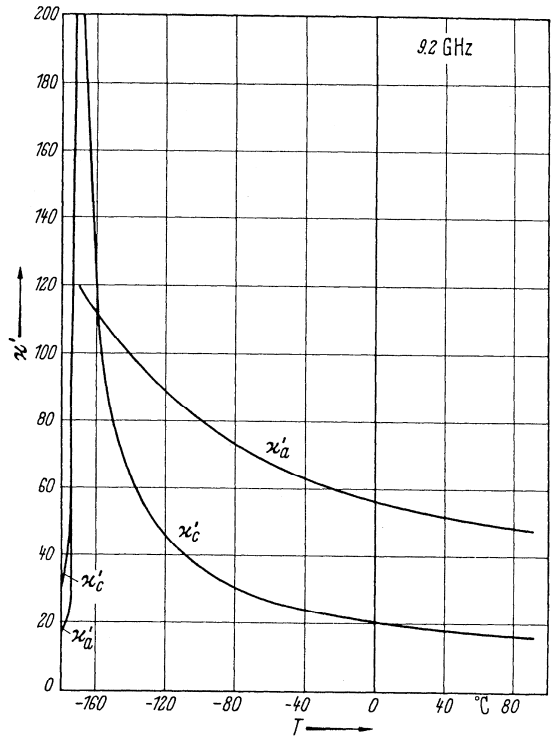

Fig. 33A-7-006. KH_2AsO_4 (KDA). κ'_a, κ'_c vs. T [65Kam].

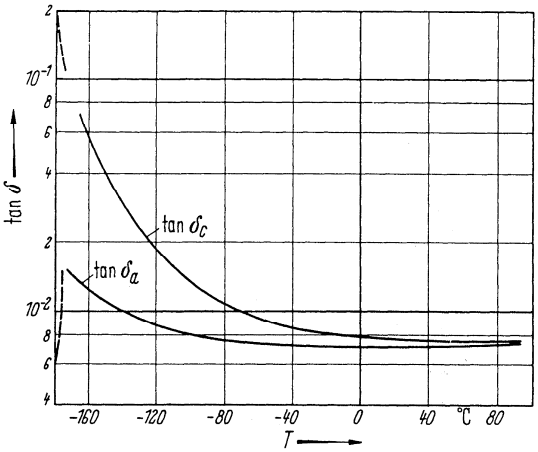

Fig. 33A-7-007. KH_2AsO_4 (KDA). tan δ vs. T [65Kam]. f = 9.2 GHz. Measurements indicated by the dashed part are in doubt.

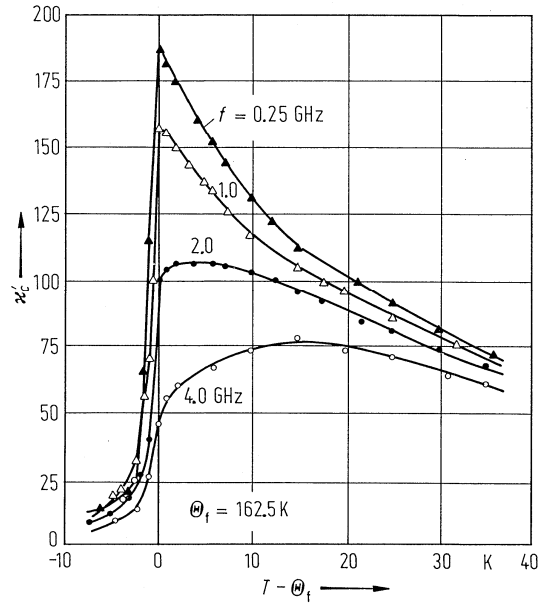

Fig. 33A-7-008. KD_2AsO_4 (DKDA). κ_c' vs. $T - \Theta_f$ [85Jak]. Parameter: *f*.

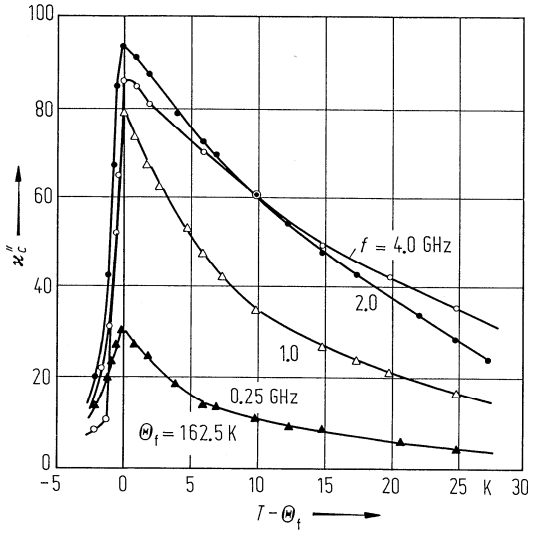

Fig. 33A-7-009. KD_2AsO_4 (DKDA). κ_c'' vs. $T - \Theta_f$ [85Jak]. Parameter: *f*.

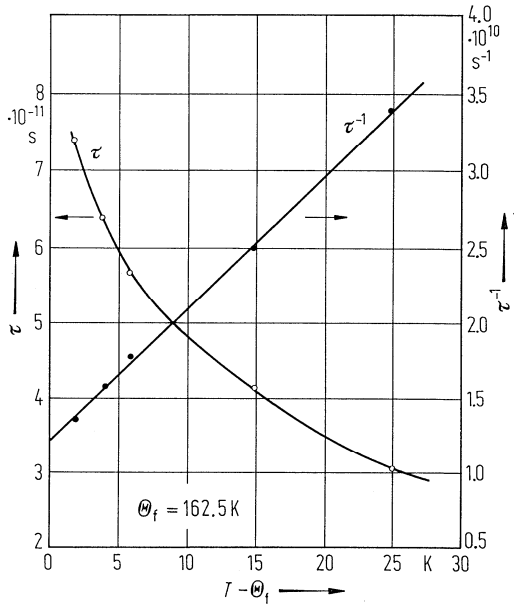

Fig. 33A-7-010. KD_2AsO_4 (DKDA). τ, τ^{-1} vs. $T - \Theta_f$ [85Jak]. τ: relaxation time of dielectric dispersion.

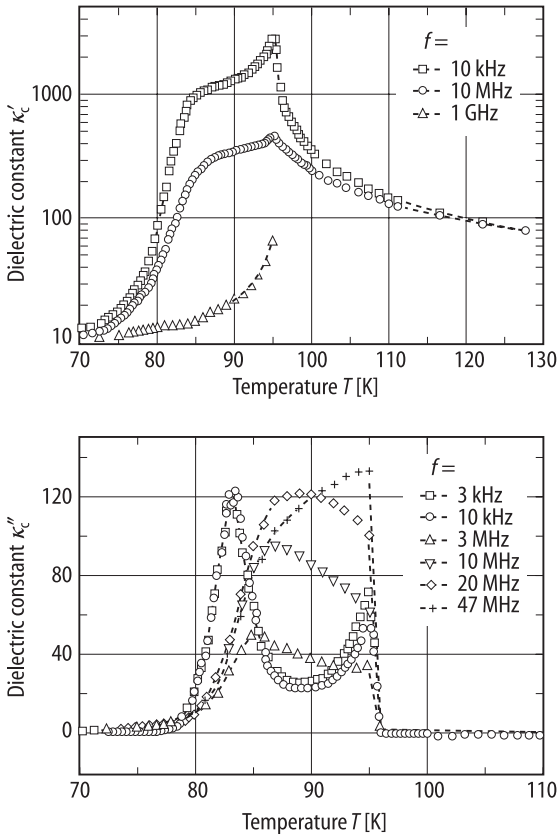

Fig. 33A-7-011. KH_2AsO_4 (KDA). κ_c', κ_c'' vs. T [95Kub]. Parameter: f.

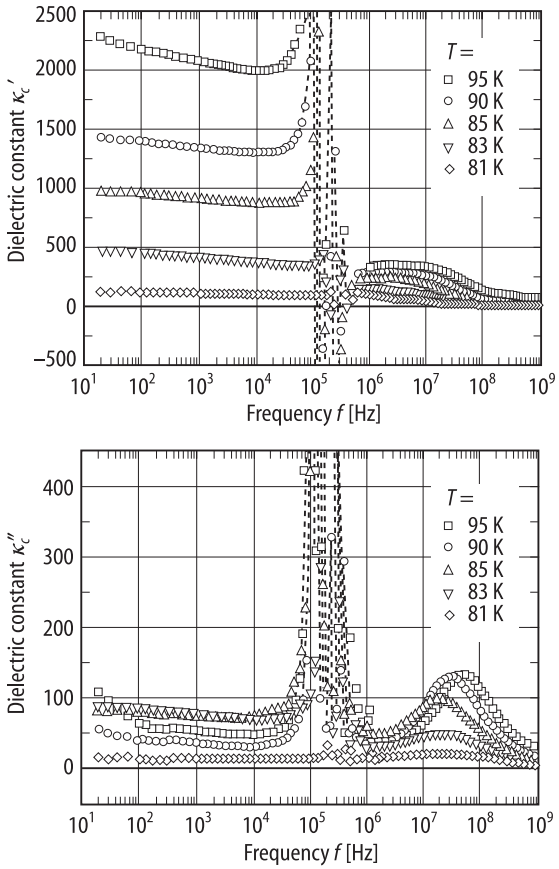

Fig. 33A-7-012. KH_2AsO_4 (KDA). κ_c', κ_c'' vs. f above the domain freezing temperature $T_f = 81$ K [95Kub]. Parameter: T. 10 Hz < f < 1 GHz. For T_f, see Fig. 33A-7-030.

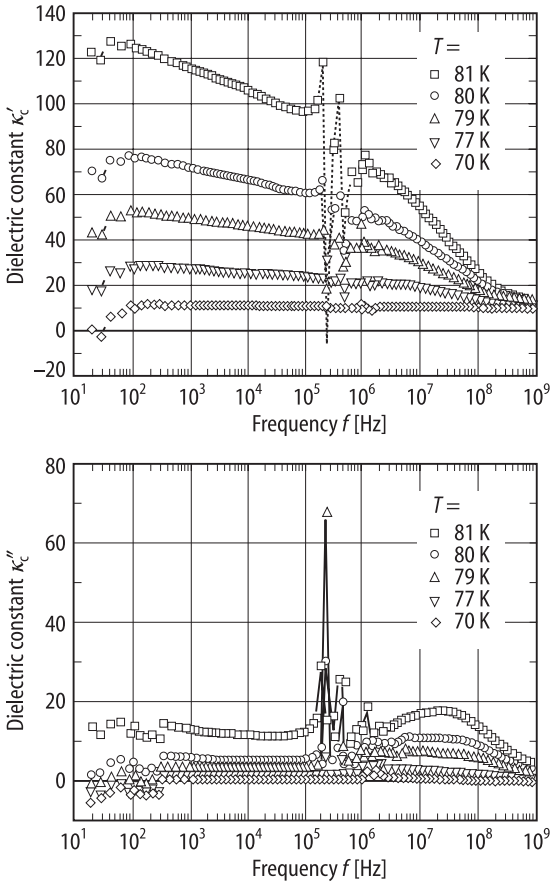

Fig. 33A-7-013. KH_2AsO_4 (KDA). κ_c', κ_c'' vs. f below the domain freezing temperature $T_f = 81$ K [95Kub]. Parameter: T. 10 Hz < f < 1 GHz. For T_f, see Fig. 33A-7-030.

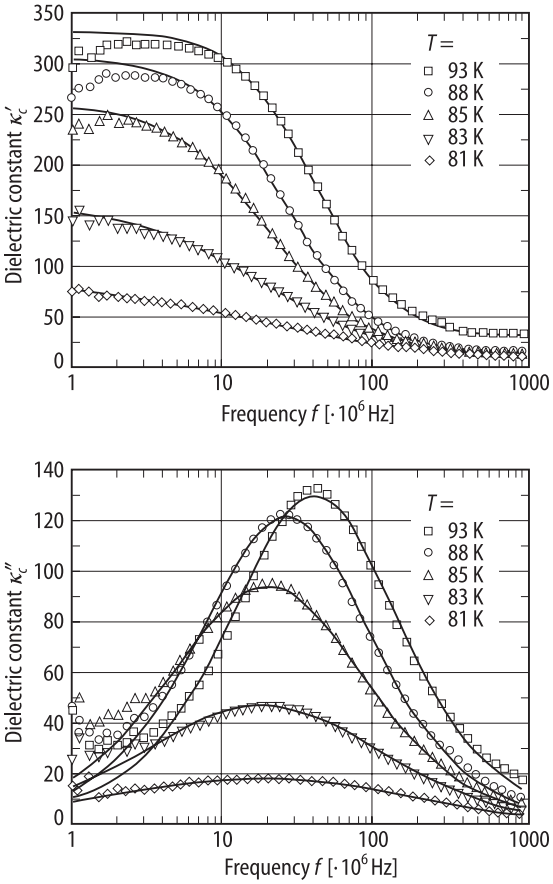

Fig. 33A-7-014. KH_2AsO_4 (KDA). κ_c', κ_c'' vs. f above the domain freezing temperature T_f = 81 K [95Kub]. Parameter: T. 1 MHz < f < 1 GHz. For T_f, see Fig. 33A-7-030.

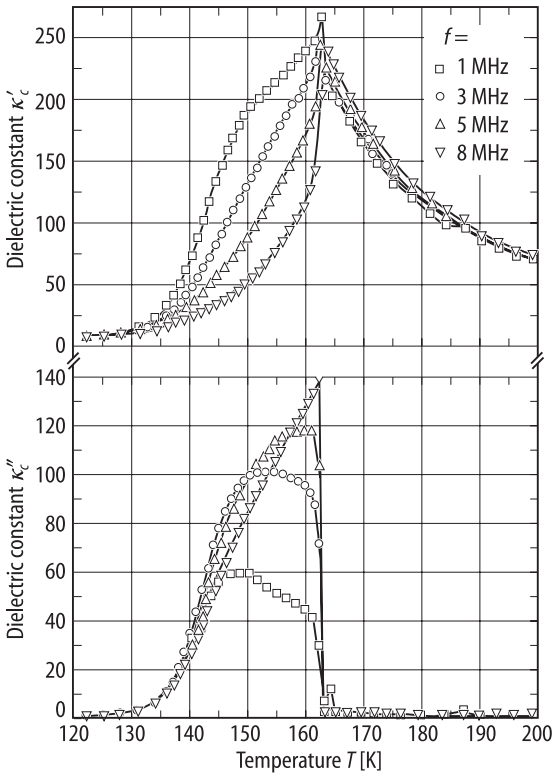

Fig. 33A-7-015. KD_2AsO_4 (DKDA). κ_c', κ_c'' vs. T [95Fal]. Parameter: f.

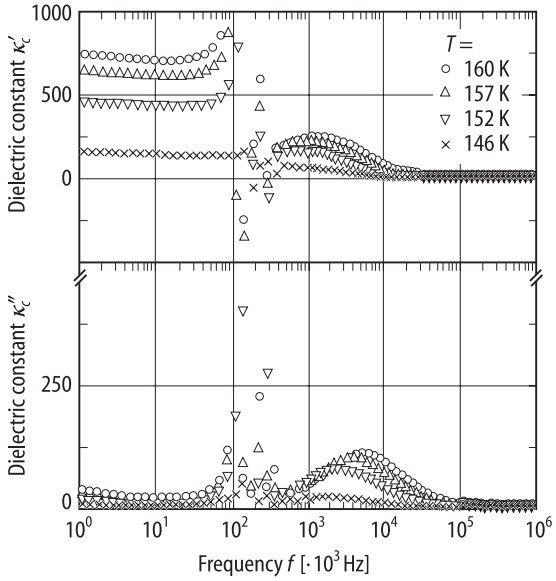

Fig. 33A-7-016. KD_2AsO_4 (DKDA). κ_c', κ_c'' vs. f in the ferroelectric phase [95Fal]. Parameter: T. 1 kHz < f < 1 GHz.

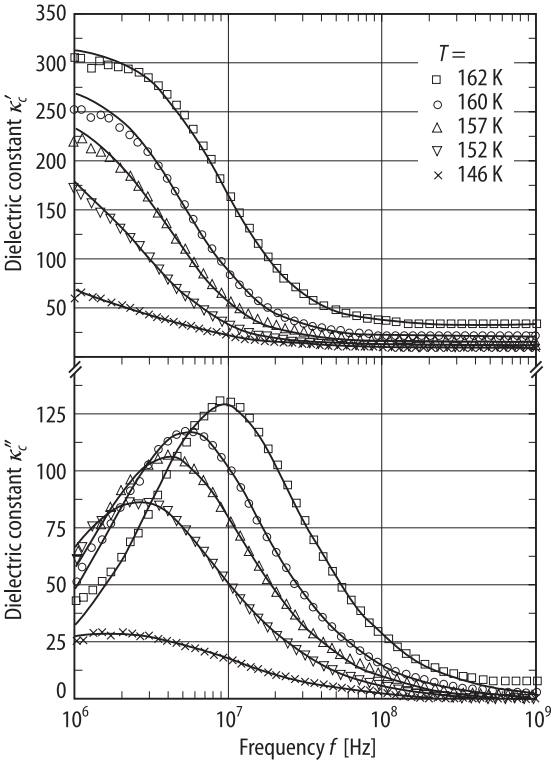

Fig. 33A-7-017. KD_2AsO_4 (DKDA). κ_c', κ_c'' vs. f in the ferroelectric phase [95Fal]. Parameter: T. 1 MHz < f < 1 GHz.

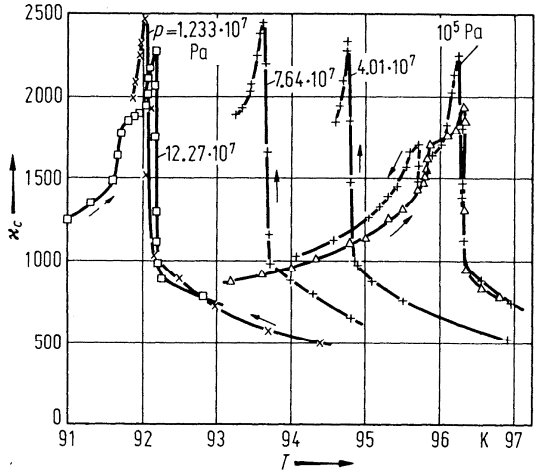

Fig. 33A-7-018. KH_2AsO_4 (KDA). κ_c vs. T [70Fre]. Parameter: p. f = 800 Hz.

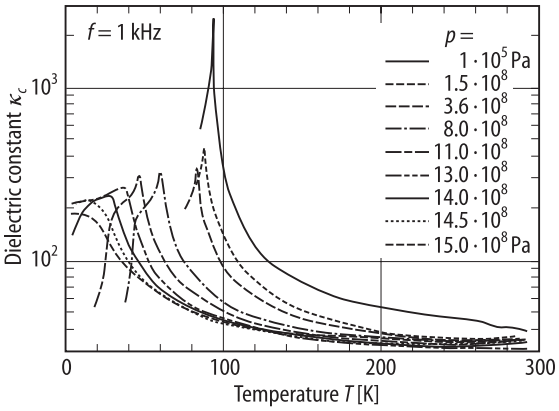

Fig. 33A-7-019. KH_2AsO_4 (KDA). κ_c vs. T [92Hik]. Parameter: p. f = 1 kHz.

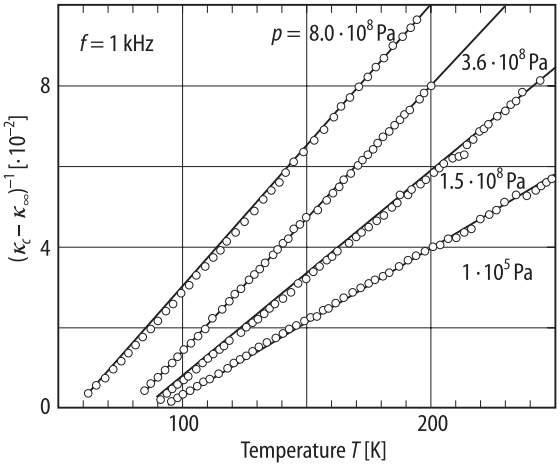

Fig. 33A-7-020. KH_2AsO_4 (KDA). $1/(\kappa_c - \kappa_\infty)$ vs. T [92Hik]. Parameter: p.

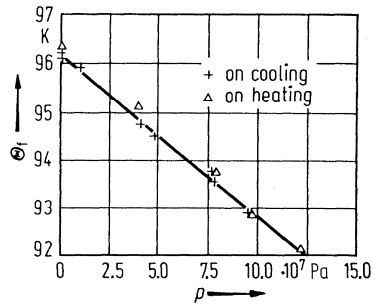

Fig. 33A-7-021. KH_2AsO_4 (KDA). Θ_f vs. p [70Fre].

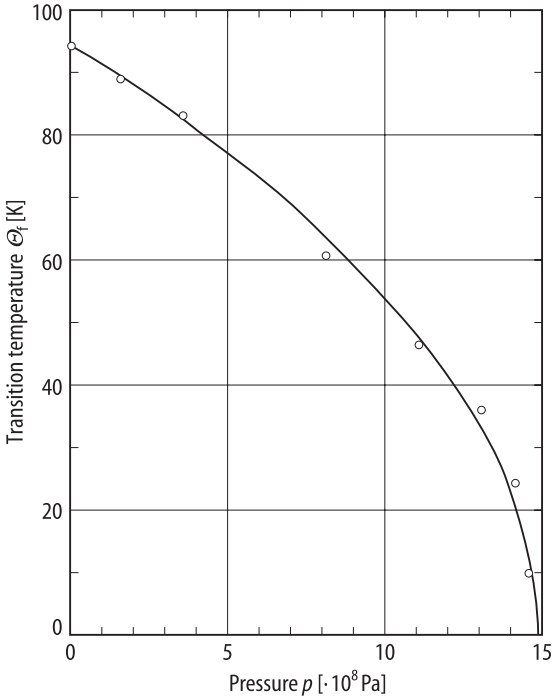

Fig. 33A-7-022. KH_2AsO_4 (KDA). Θ_f vs. p [92Hik].

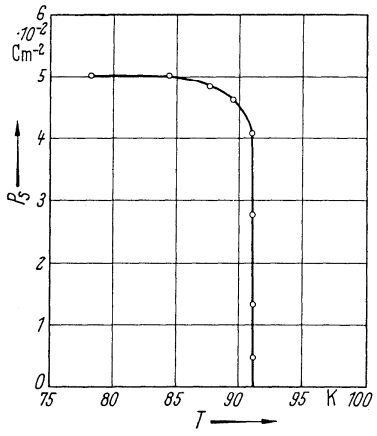

Fig. 33A-7-023. KH_2AsO_4 (KDA). P_s vs. T [38Bus].

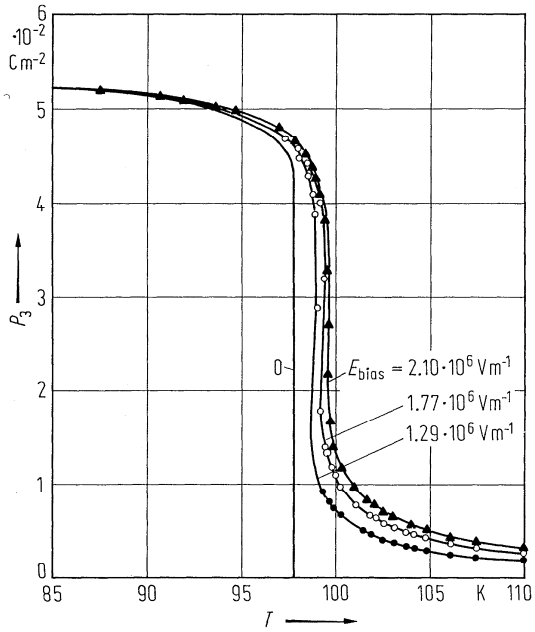

Fig. 33A-7-024. KH_2AsO_4 (KDA). P_3 vs. T [77Cha]. Parameter: E_{bias}. P_3: polarization along the c axis.

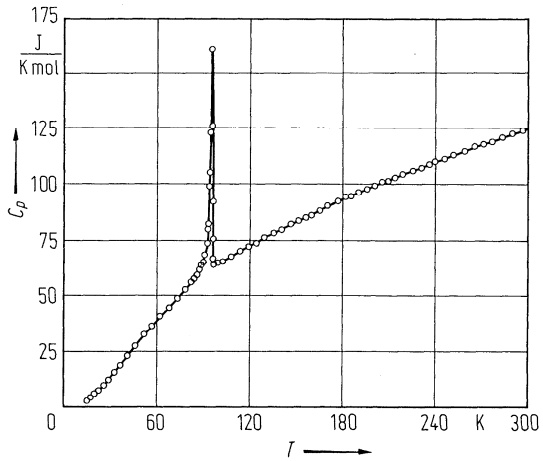

Fig. 33A-7-025. KH_2AsO_4 (KDA). C_p vs. T [44Ste]. C_p: molar heat capacity at constant pressure.

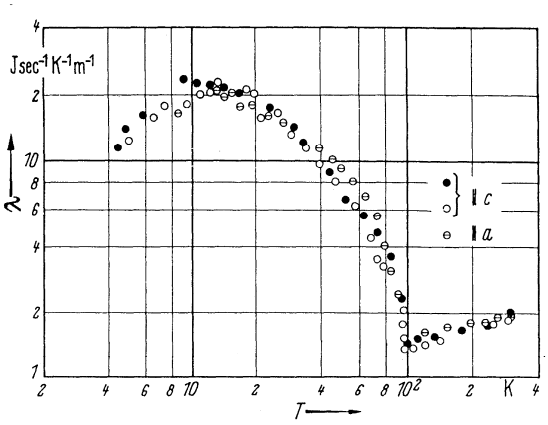

Fig. 33A-7-026. KH_2AsO_4 (KDA). λ vs. T [67Sue]. λ: thermal conductivity.

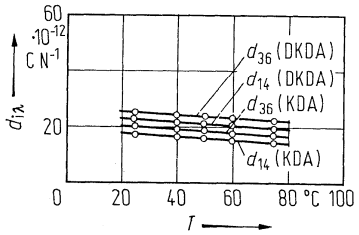

Fig. 33A-7-027. KH_2AsO_4 (KDA), KD_2AsO_4 (DKDA). d_{36}, d_{14} vs. T [68Adh].

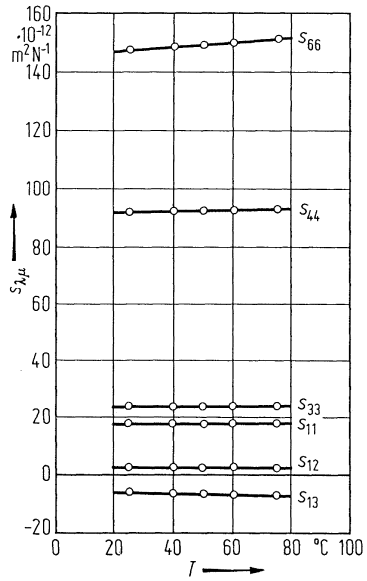

Fig. 33A-7-028. KH_2AsO_4 (KDA). $s_{\lambda\mu}$ vs. T [68Adh].

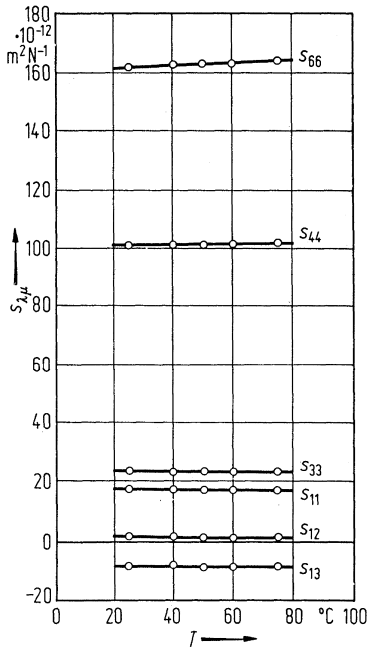

Fig. 33A-7-029. KD_2AsO_4 (DKDA). $s_{\lambda\mu}$ vs. T [68Adh].

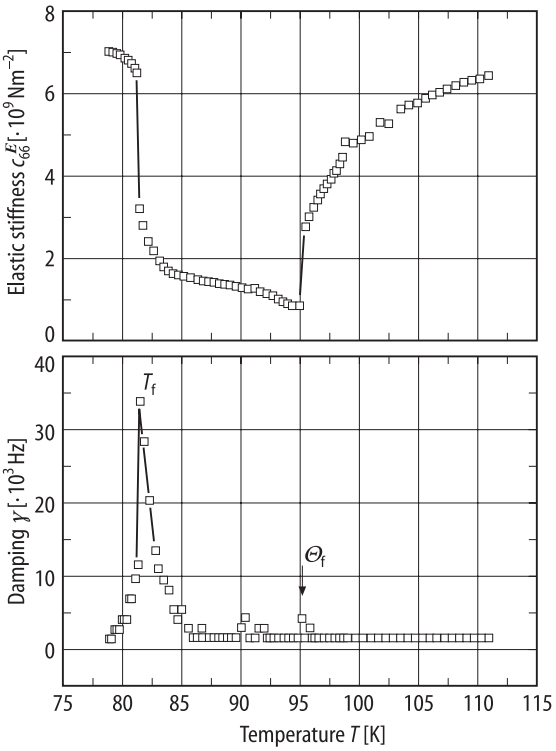

Fig. 33A-7-030. KH_2AsO_4 (KDA). $c_{66}^{\boldsymbol{E}}$, γ vs. T [95Kub]. γ: damping constant corresponding to $c_{66}^{\boldsymbol{E}}$. T_f: domain freezing temperature.

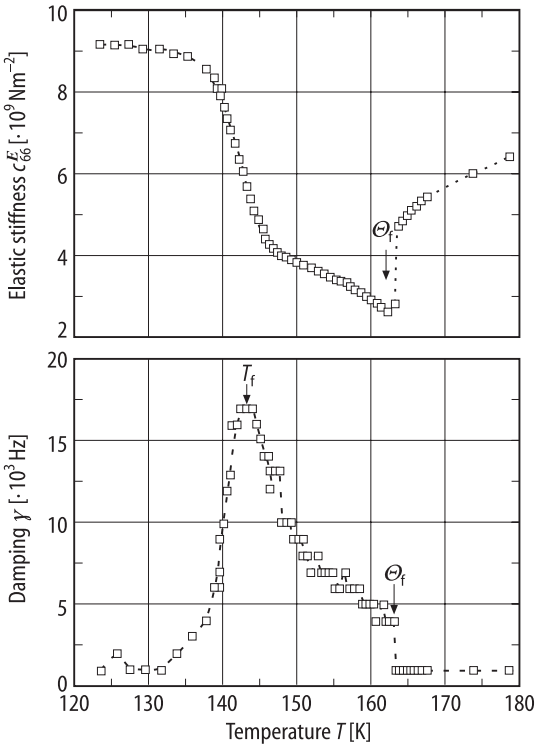

Fig. 33A-7-031. KD_2AsO_4 (DKDA). c_{66}^{E}, γ vs. T [95Fal]. γ: damping constant corresponding to c_{66}^{E}. T_f: domain freezing temperature.

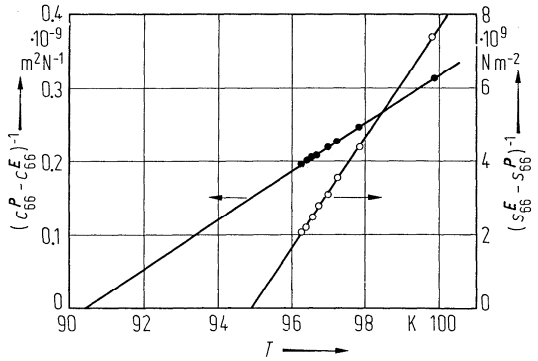

Fig. 33A-7-032. KH_2AsO_4 (KDA). $(c_{66}^{P} - c_{66}^{E})^{-1}$, $(s_{66}^{E} - s_{66}^{P})^{-1}$ vs. T [77Dur]. Data obtained from Brillouin scattering.

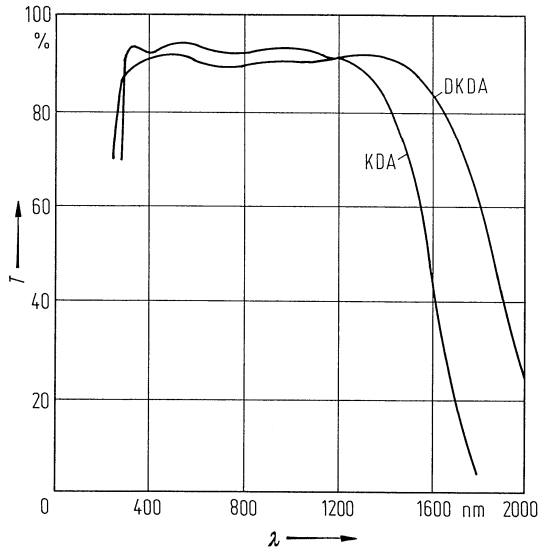

Fig. 33A-7-033. KH_2AsO_4 (KDA), KD_2AsO_4 (DKDA). T vs. λ [87Eim]. T: transmission for unpolarized light. Sample thickness: 11 mm.

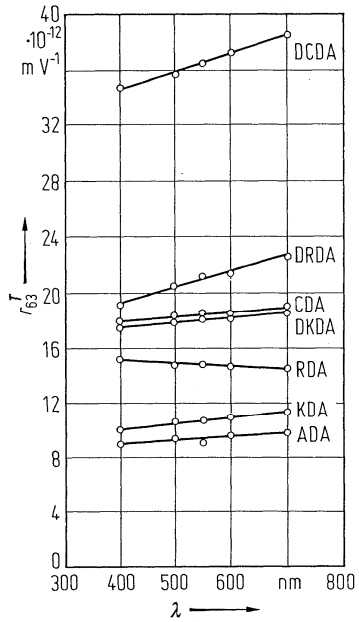

Fig. 33A-7-034. KDA family. r_{63}^{T} vs. λ at RT [69Adh].

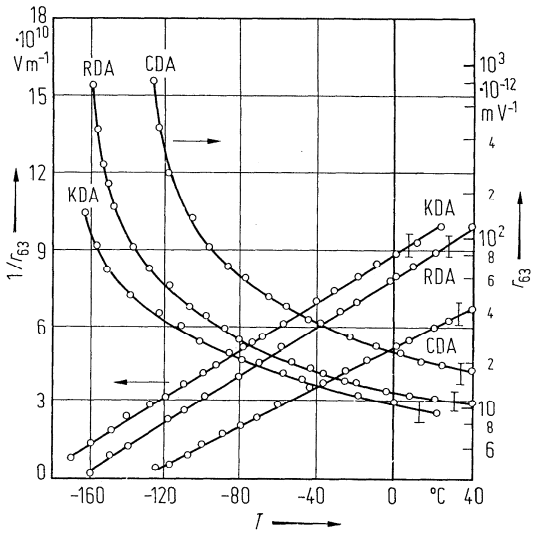

Fig. 33A-7-035. KH_2AsO_4 (KDA), RbH_2AsO_4 (RDA), CsH_2AsO_4 (CDA). r_{63}, $1/r_{63}$ vs. T [71Vas].

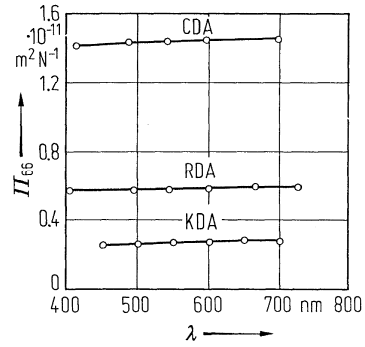

Fig. 33A-7-036. KH_2AsO_4 (KDA), RbH_2AsO_4 (RDA), CsH_2AsO_4 (CDA). Π_{66} vs. λ [67Vas].

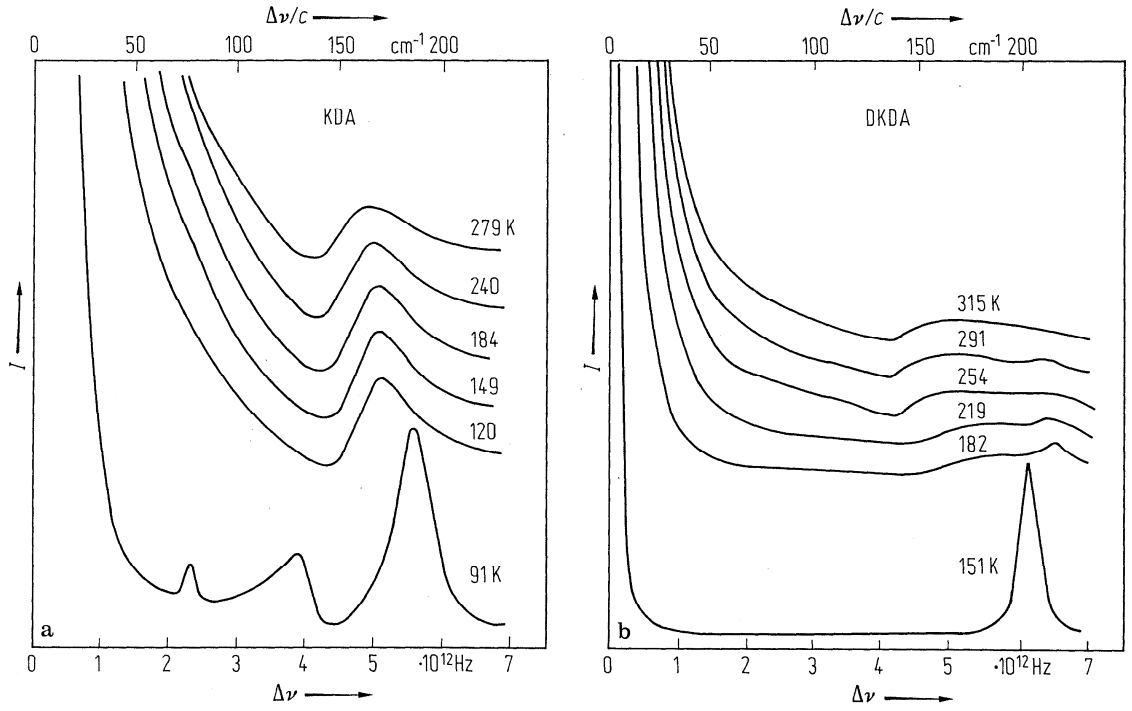

Fig. 33A-7-037. (**a**) KH_2AsO_4 (KDA), (**b**) KD_2AsO_4 (DKDA). I vs. $\Delta\nu$ [74Low]. Parameter: T. I: Raman scattering intensity of B_2 modes.

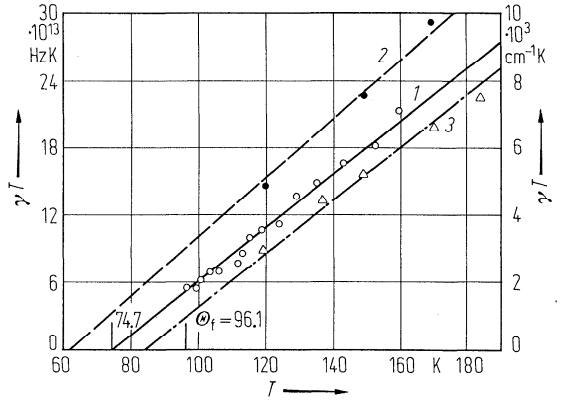

Fig. 33A-7-038. KH_2AsO_4 (KDA). γT vs. T. γ: damping constant of phonons. Curve *1*: linewidth of a B_2 mode at $1.17 \cdot 10^{13}$ Hz or 390 cm^{-1} [75Lau], curves *2* and *3*: γ obtained from the coupled mode analysis of the soft mode with a real and imaginary coupling, respectively [74Low].

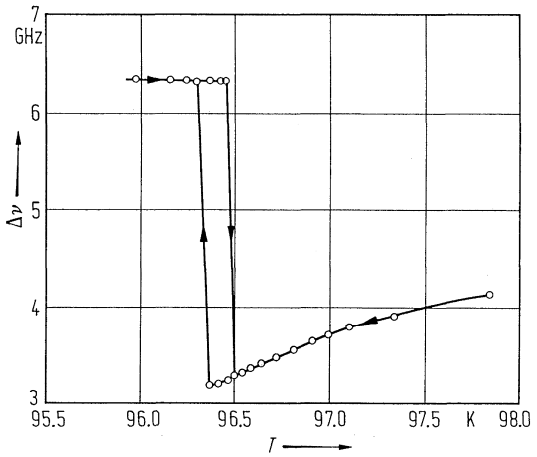

Fig. 33A-7-039. KH_2AsO_4 (KDA). $\Delta\nu$ vs. T [76Dur]. $\Delta\nu$: Brillouin frequency shift of the XY-shear mode associated with elastic stiffness c_{66}.

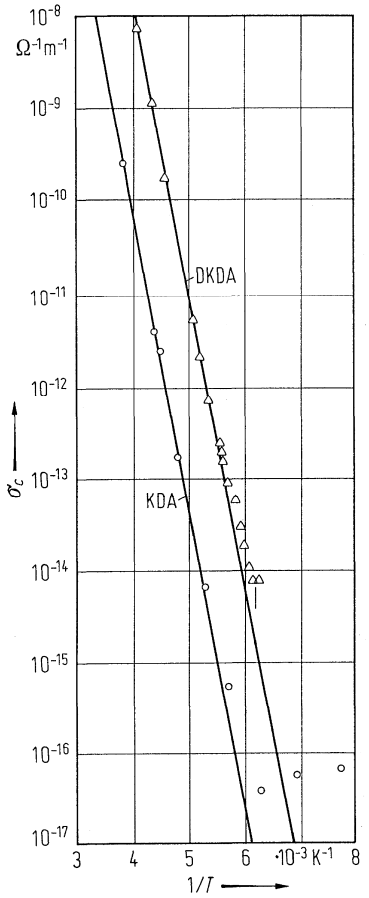

Fig. 33A-7-040. KH_2AsO_4 (KDA), KD_2AsO_4 (DKDA). σ_c vs. 1/T [73Fai]. Circles: KDA, triangles: DKDA.

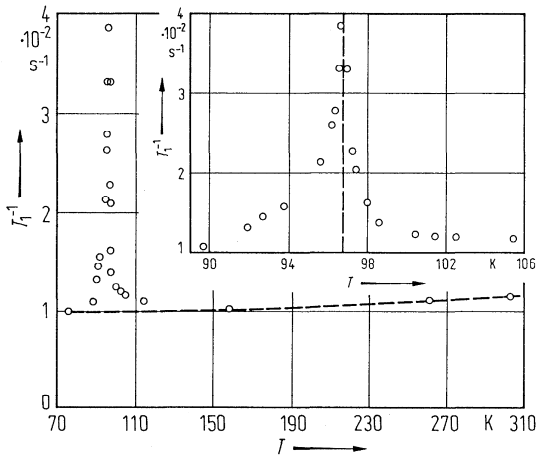

Fig. 33A-7-041. KH_2AsO_4 (KDA). T_1^{-1} vs. T [74Bjo]. T_1: proton spin-lattice relaxation time. f = 16 MHz.

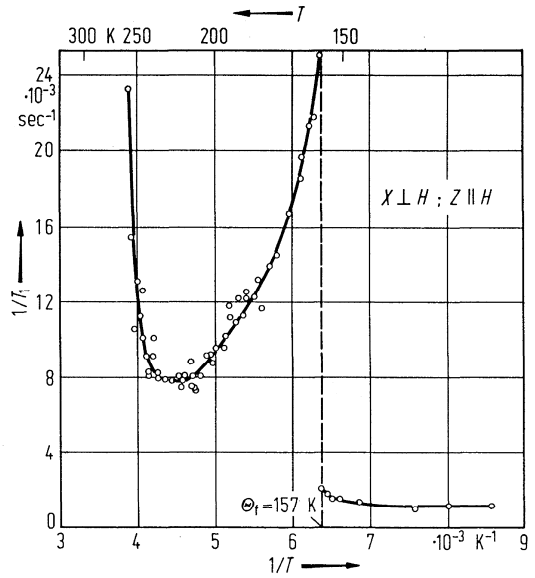

Fig. 33A-7-042. KD_2AsO_4 (DKDA). T_1^{-1} vs. T^{-1} [71Bli]. T_1: deuteron spin-lattice relaxation time. $\boldsymbol{H} \perp \boldsymbol{X}$, $\boldsymbol{H} \parallel \boldsymbol{Z}$, f = 10.6 MHz.

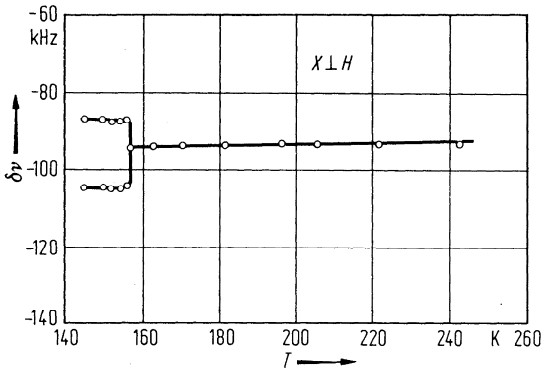

Fig. 33A-7-043. KD_2AsO_4 (DKDA). $\delta\nu$ vs. T [71Bli]. $\delta\nu$: frequency difference between $m = 1 \rightarrow m = 0$ and $m = 0 \rightarrow m = -1$ transitions of deuteron. $\boldsymbol{H} \perp \boldsymbol{X}$, $\theta_x = 67.0°$. θ_x: angle between H and the crystal Y axis.

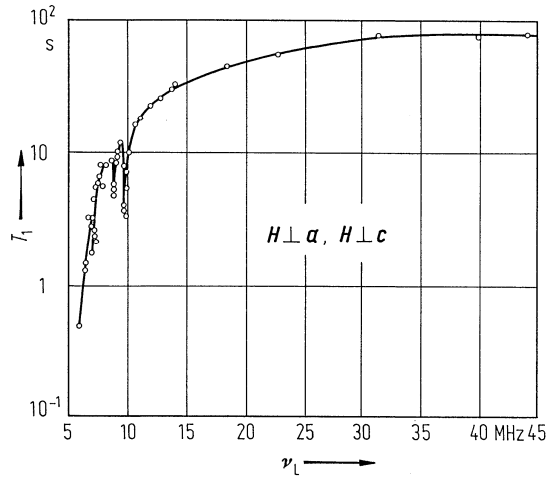

Fig. 33A-7-044. KH_2AsO_4 (KDA). T_1 vs. ν_L [86Bli2]. T_1: proton spin-lattice relaxation time. ν_L: Larmor frequency. $T = 130$ K.

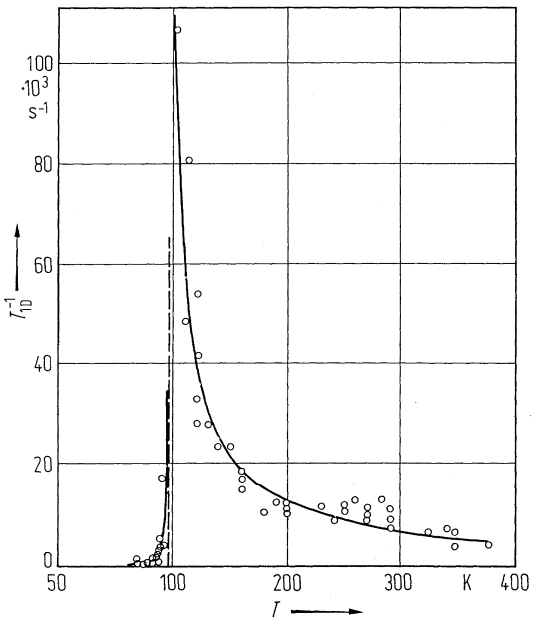

Fig. 33A-7-045. KH_2AsO_4 (KDA). T_{1D}^{-1} vs. T [75Bli]. T_{1D}: ^{75}As dipolar nuclear spin-lattice relaxation time.

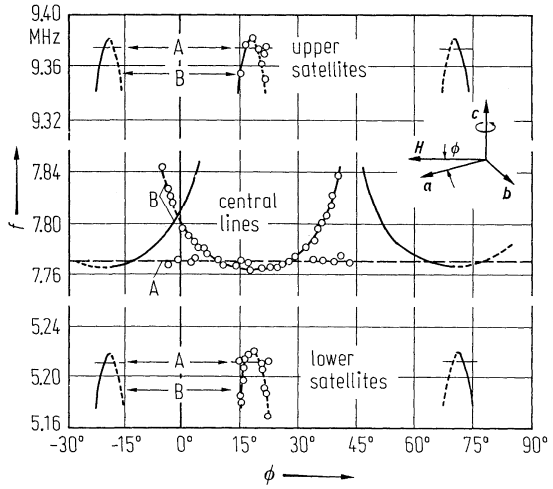

Fig. 33A-7-046. KH_2AsO_4 (KDA). f vs. ϕ [75Adr]. ^{75}As NMR frequency for c axis rotation with $H = (4\pi)^{-1} \cdot 10^7$ Am^{-1} at $T = \Theta_f + 1$ K. ϕ: angle of the c axis rotation shown in the figure. Dashed lines: the A spectrum; full and dotted lines: parts of the B spectrum. The A and the B spectra, respectively, are enhanced by a negative and positive electric field along the c axis. The heavier full lines are part of the same B rotation pattern.

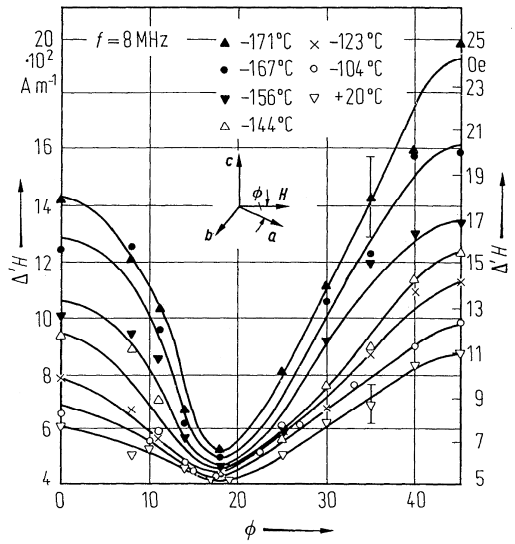

Fig. 33A-7-047. KH_2AsO_4 (KDA). $\Delta'H$ vs. ϕ [75Tak]. $\Delta'H$: ^{75}As NMR line width. ϕ: angle between the *a* axis and the magnetic field in the (001) plane. See also [69Bli].

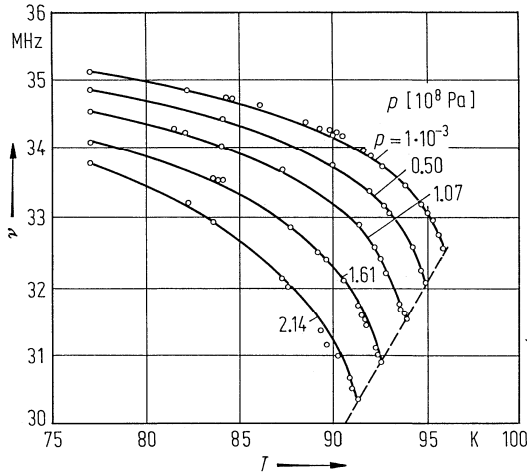

Fig. 33A-7-048. KH_2AsO_4 (KDA). ν vs. T [80Mac]. ν: NQR frequency of ^{75}As. Parameter: p.

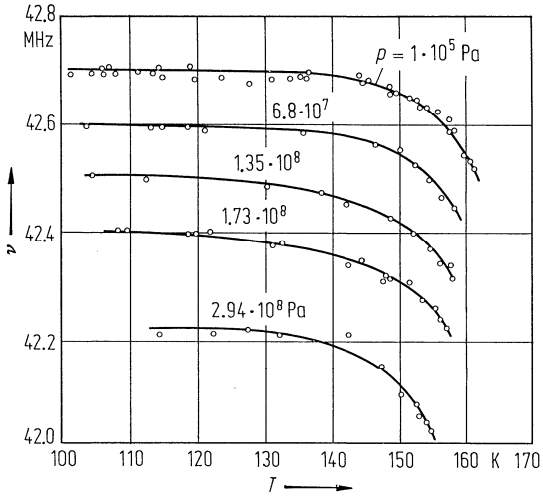

Fig. 33A-7-049. KD_2AsO_4 (DKDA). ν vs. T [83Lip]. ν: NQR frequency of ^{75}As. Parameter: p.

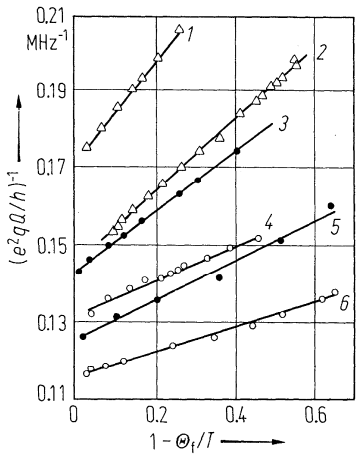

Fig. 33A-7-050. KDA family. $(e^2qQ/h)^{-1}$ vs. $1 - \Theta_f/T$ [76Bli]. Reciprocal quadrupole coupling constant of ^{75}As. Curve *1*: CsD_2AsO_4, *2*: CsH_2AsO_4, *3*: RbD_2AsO_4, *4*: KD_2AsO_4, *5*: RbH_2AsO_4, *6*: KH_2AsO_4. See also [73Bli].

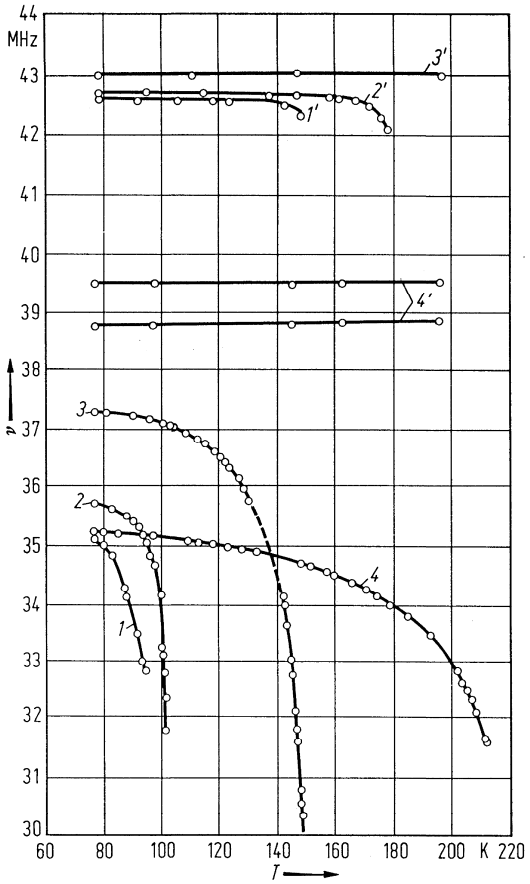

Fig. 33A-7-051. KDA family. ν vs. T [69Zhu]. Curve *1*: KH_2AsO_4, *2*: RbH_2AsO_4, *3*: CsH_2AsO_4, *4*: $NH_4H_2AsO_4$, curves *1′…4′*: corresponding deuterated compounds. ν: ^{75}As NQR frequency.

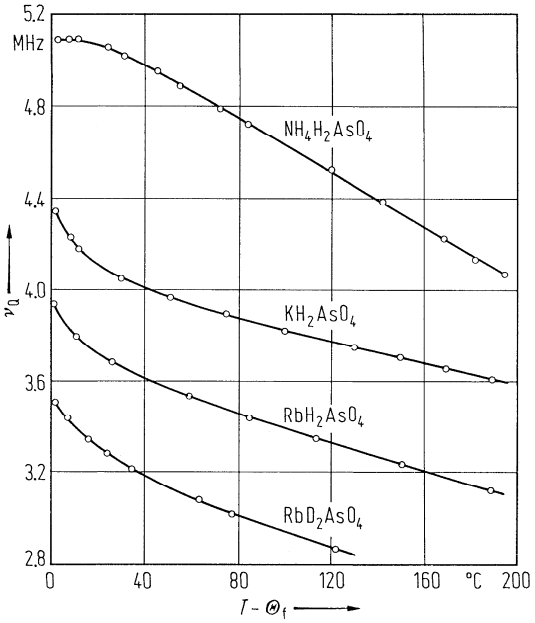

Fig. 33A-7-052. KDA family. ν_Q vs. $T - \Theta_f$ in the paraelectric phase [71Adr]. ν_Q: ^{75}As nuclear quadrupole frequency.

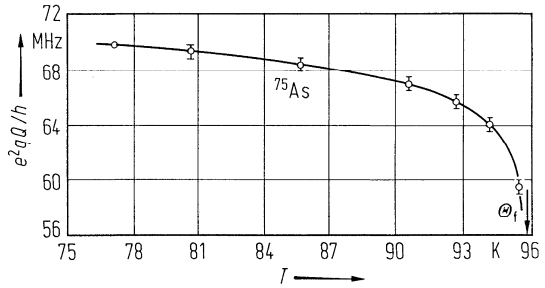

Fig. 33A-7-053. KH_2AsO_4 (KDA). e^2qQ/h vs. T [68Bee]. ^{75}As NQR in phase II.

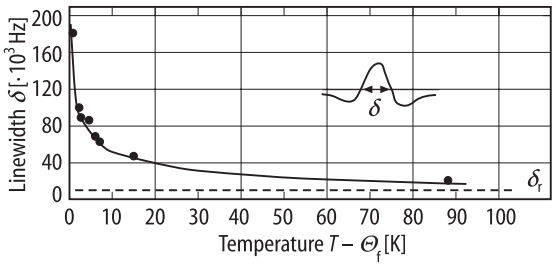

Fig. 33A-7-054. KH_2AsO_4 (KDA). δ vs. $T - \Theta_f$ [91Bjo]. δ: central line width of ^{75}As NMR central line at $\phi = 45°$. ϕ: angle between H and a axis. δ_r: residual high temperature line width.

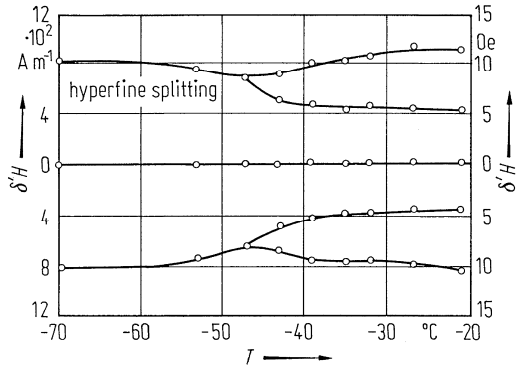

Fig. 33A-7-055. KH_2AsO_4 (KDA). $\delta' H$ vs. T [67Bli]. ESR spectrum of AsO_4^{4-} center, $\boldsymbol{H} \parallel \boldsymbol{c}$. $\delta' H$: magnetic resonance line separation.

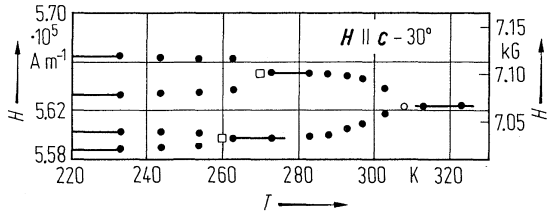

Fig. 33A-7-056. KH_2AsO_4:Cr^{5+}. H vs. T [76Mul2]. H: electron spin resonance magnetic field. H makes an angle of 30° with the c axis in the (010) plane. See also [76Mul1, 77Gai].

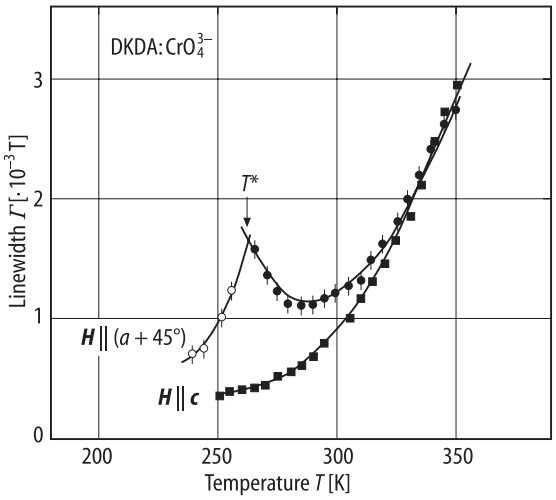

Fig. 33A-7-057. KD_2AsO_4: CrO_4^{3-}. Γ vs. T [89Dal]. Γ: peak-to-peak linewidth of ESR for CrO_4^{3-}. Open circle, full circle: $\boldsymbol{H} \| (\boldsymbol{a} + 45°)$; full square: $\boldsymbol{H} \| \boldsymbol{c}$. T^*: coalescence temperature. Open circle: data for slow motion regime.

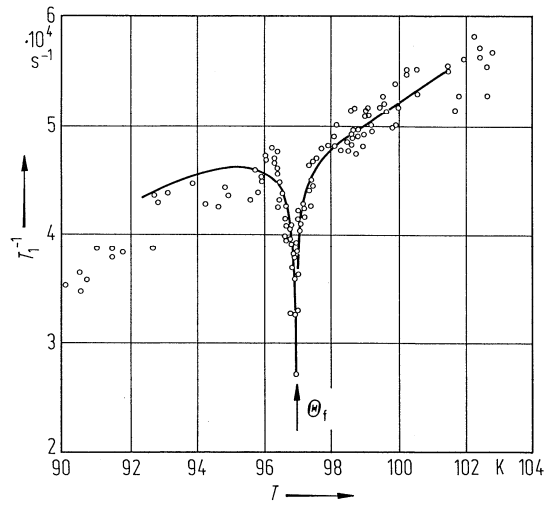

Fig. 33A-7-058. KH_2AsO_4: AsO_4^{4-}. T_1^{-1} vs. T [83Wei]. T_1: spin-lattice relaxation time of $m = -1/2$ ^{75}As HFS-transion for irradiated AsO_4^{4-} center. $\boldsymbol{H} \|$ [100]. Solid line: calculated.

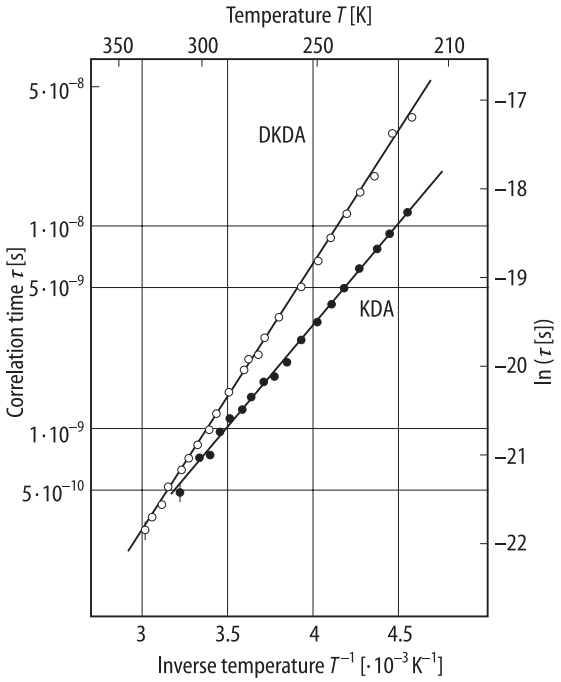

Fig. 33A-7-059. KH_2AsO_4 (KDA), KD_2AsO_4 (DKDA). τ vs. T^{-1} [89Rak]. τ: correlation time for AsO_4^{4-} center determined by ESR spectra.